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171 106 mej

From: Yu, Misook  
Sent: Wednesday, November 09, 2005 11:04 AM  
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Subject: 09/597,920

Pls do interference search only for SEQ ID NO: 4.

Examiner Misook Yu, Ph.D.  
571-272-0839 (Phone)  
Art Unit 1642  
REM-3A18 (Room)  
REM-3C18 (Mail Box)

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NOV - 9 2005  
STIC/CHEN, DIVISION  
(STIC)

Point of Contact:  
Alexandra Wacławiw  
Technical Info. Specialist

\*\*\*\*\*  
Searcher: CM1 6A02 Tst 303-4491  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: 11-10  
Date completed: 11-14  
Searcher Prep Time: 6  
Online Time: S

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA# 1  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: ☒ \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.  
OM protein - protein search, using sw model  
Run on: November 10, 2005, 08:50:28 ; Search time 44 Seconds  
(without alignments)  
395.301 Million cell updates/sec  
Title: US-09-597-920B-4  
Perfect score: 1227  
Sequence: 1 MEEAILVPCVIGLLLPILA.....EAEVEEGAPDYNLQELN 233  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 513545 seqs, 74649064 residues  
Total number of hits satisfying chosen parameters: 513545  
Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 100 summaries  
Database :  
1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/iaa/backfiles1.pep:\*  
Issued Patents AA:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1202.5	98.0	262	4	US-09-949-016-8622 Sequence 8622, Ap
2	116	9.5	2090	4	US-09-538-092-1081 Sequence 1081, Ap
3	116	9.5	2120	4	US-09-949-016-9768 Sequence 9768, Ap
4	113.5	9.3	2414	1	US-08-227-536-2 Sequence 2, Appli
5	113.5	9.3	2414	4	US-09-538-092-1289 Sequence 1289, Ap
6	113.5	9.3	2414	5	PCT-US95-04682-2 Sequence 2, Appli
7	112	9.1	520	4	US-09-949-016-9918 Sequence 9918, Ap
8	112	9.1	1958	1	US-07-945-283-2 Sequence 2, Appli
9	111	9.0	455	4	US-09-270-767-45531 Sequence 45531, A
10	110	9.0	571	4	US-09-252-991A-30533 Sequence 30533, A
11	106.5	8.7	1298	2	US-08-690-473-2 Sequence 2, Appli
12	106.5	8.7	1298	3	US-09-259-821A-2 Sequence 2, Appli
13	106.5	8.7	1298	3	US-08-843-659-2 Sequence 2, Appli
14	106.5	8.7	1298	4	US-09-825-288A-2 Sequence 2, Appli
15	106	8.6	1026	4	US-09-949-016-6777 Sequence 6777, Ap
16	106	8.6	1034	4	US-09-949-016-10870 Sequence 10870, A
17	105.5	8.6	4019	4	US-09-854-133-425 Sequence 425, App
18	105	8.6	520	4	US-09-107-433-3721 Sequence 3721, Ap
19	104.5	8.5	802	4	US-09-823-240A-2 Sequence 2, Appli
20	104.5	8.5	1219	4	US-08-194-462A-4 Sequence 4, Appli
21	104	8.5	2441	1	US-08-961-739-2 Sequence 2, Appli
22	104	8.5	2441	3	US-08-961-739-2 Sequence 2, Appli
23	104	8.5	2441	3	US-09-514-247A-8 Sequence 8, Appli
24	104	8.5	2441	4	US-09-686-316-2 Sequence 2, Appli
25	104	8.5	2442	3	US-09-514-247A-10 Sequence 10, Appli
26	104	8.5	2442	4	US-09-538-092-1370 Sequence 1370, Ap
27	103.5	8.4	865	3	US-09-281-766-19 Sequence 19, Appli

28	103.5	8.4	865	4	US-09-612-858-19 Sequence 19, Appli
29	103.5	8.4	865	4	US-09-957-995A-19 Sequence 19, Appli
30	103	8.4	300	4	US-09-949-016-5962 Sequence 5962, Ap
31	103	8.4	329	4	US-09-949-016-10363 Sequence 10363, A
32	102	8.3	315	4	US-09-270-767-46043 Sequence 46043, A
33	101	8.2	280	4	US-09-949-016-11646 Sequence 11646, A
34	101	8.2	1048	4	US-09-171-699-10 Sequence 10, Appli
35	100.5	8.2	580	4	US-09-270-767-41648 Sequence 41648, A
36	100.5	8.2	961	4	US-09-538-092-1231 Sequence 1231, Ap
37	100.5	8.2	1065	4	US-09-949-016-11618 Sequence 11618, A
38	100.5	8.2	1187	1	US-08-320-559-28 Sequence 28, Appli
39	100.5	8.2	1187	3	US-08-545-860D-28 Sequence 28, Appli
40	100.5	8.2	1187	5	PCT-US94-04496-28 Sequence 28, Appli
41	100.5	8.2	1210	1	US-08-320-559-26 Sequence 26, Appli
42	100.5	8.2	1210	3	US-08-545-860D-26 Sequence 26, Appli
43	100.5	8.2	1210	4	US-09-538-092-1179 Sequence 1179, Ap
44	100.5	8.2	1210	5	PCT-US94-04496-26 Sequence 26, Appli
45	100	8.1	739	4	US-09-902-540-10606 Sequence 10606, A
46	99.5	8.1	786	4	US-09-949-016-10170 Sequence 10170, A
47	99	8.1	627	2	US-08-466-589-6 Sequence 6, Appli
48	99	8.1	627	3	US-08-700-636-6 Sequence 6, Appli
49	99	8.1	627	3	US-08-467-574-6 Sequence 6, Appli
50	99	8.1	627	3	US-09-217-345-6 Sequence 6, Appli
51	99	8.1	627	3	US-09-892-985-6 Sequence 6, Appli
52	99	8.1	865	4	US-09-902-540-10416 Sequence 63, Appli
53	98.5	8.0	174	3	US-09-199-637A-63 Sequence 6, Appli
54	98.5	8.0	335	2	US-08-405-175A-6 Sequence 11, Appli
55	98.5	8.0	344	3	US-09-147-236-11 Sequence 11, Appli
56	98.5	8.0	344	4	US-09-522-474-11 Sequence 11, Appli
57	98	8.0	300	6	5340934-6 Patent No. 5340934
58	98	8.0	300	6	5340934-6 Patent No. 5340934
59	98	8.0	750	3	US-09-165-239A-4 Sequence 4, Appli
60	98	8.0	943	2	US-08-469-537A-107 Sequence 107, App
61	98	8.0	1147	4	US-09-949-016-8616 Sequence 8616, Ap
62	98	8.0	1560	4	US-09-264-512B-2 Sequence 2, Appli
63	97.5	7.9	322	4	US-09-248-796A-17229 Sequence 8637, Ap
64	97.5	7.9	408	4	US-09-949-016-8637 Sequence 957, App
65	97.5	7.9	706	4	US-09-538-092-957 Sequence 10040, A
66	97.5	7.9	747	4	US-09-949-016-10040 Sequence 89, Appli
67	97.5	7.9	1233	4	US-09-688-188B-89 Sequence 89, Appli
68	97.5	7.9	1233	4	US-09-291-417D-89 Sequence 32, Appli
69	97.5	7.9	8991	4	US-08-714-741-32 Sequence 5, Appli
70	97	7.9	282	1	US-07-712-476A-5 Sequence 2, Appli
71	97	7.9	372	4	US-10-029-180-10 Sequence 2, Appli
72	97	7.9	897	1	US-07-960-389-2 Sequence 7, Appli
73	97	7.9	1317	3	US-09-083-521-7 Sequence 1005, Ap
74	97	7.9	1970	4	US-09-538-092-1005 Sequence 9748, Ap
75	96.5	7.9	481	4	US-09-949-016-9748 Sequence 2, Appli
76	96.5	7.9	553	3	US-09-083-351-2 Sequence 2, Appli
77	96.5	7.9	553	3	US-09-083-352-2 Sequence 2, Appli
78	96.5	7.9	553	4	US-09-612-809B-2 Sequence 2, Appli
79	96.5	7.9	655	4	US-09-902-540-10216 Sequence 10216, A
80	96.5	7.9	829	4	US-09-562-737-40 Sequence 40, Appli
81	96	7.8	314	4	US-09-134-253-1 Sequence 1, Appli
82	96	7.8	314	4	US-09-206-576-2 Sequence 2, Appli
83	96	7.8	314	4	US-09-538-092-896 Sequence 896, App
84	96	7.8	1269	4	US-09-645-456A-15 Sequence 15, Appli
85	96	7.8	1269	4	US-09-425-324A-15 Sequence 15, Appli
86	96	7.8	1269	4	US-09-645-791-15 Sequence 15, Appli
87	96	7.8	1298	4	US-09-645-456A-14 Sequence 14, Appli
88	96	7.8	1298	4	US-09-425-324A-14 Sequence 14, Appli
89	96	7.8	1298	4	US-09-645-791-14 Sequence 13, Appli
90	96	7.8	1324	4	US-09-425-324A-13 Sequence 13, Appli
91	96	7.8	1324	4	US-09-645-791-13 Sequence 13, Appli
92	96	7.8	1353	4	US-09-645-456A-11 Sequence 11, Appli
93	96	7.8	1353	4	US-09-425-324A-11 Sequence 11, Appli
94	96	7.8	1353	4	US-09-645-791-11 Sequence 11, Appli
95	95.5	7.8	378	4	US-09-252-991A-21060 Sequence 21060, A
96	95.5	7.8	382	4	US-10-029-180-56 Sequence 56, Appli
97	95.5	7.8	399	4	US-09-949-016-8459 Sequence 8459, Ap
98	95.5	7.8	399	4	US-09-949-016-8460 Sequence 8460, Ap
99	95.5	7.8	399	4	US-09-949-016-8461 Sequence 8461, Ap
100	95.5	7.8	399	4	US-09-949-016-8461 Sequence 8461, Ap

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; LENGTH: 2090
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P35658
US-09-538-092-1081

Query Match          9.5%; Score 116; DB 4; Length 2090;
Best Local Similarity 24.9%; Pred. No. 0.15; Indels 52; Gaps 7;
Matches 52; Conservative 20; Mismatches 85;

QY 35 SYDSTSDSLYPRGIQKRPHTVAPWPYPVTSYPPPLSQPDLPIPRSPQ-PLGGSHR 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1440 SFGSQQTNSTVP-----PSAPPTTAATPLPTSFPTLSFGSLSSATTPSLPMSAGRS 1492
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 T-----PSSRRSDGANSVASYENEEPADEDEDDYHNPGLVLPDSTPATST 145
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1493 TEATSSALPEKPGDSEVSASAASLLEEQSAQ-----LPQAPPQTSD 1535
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 146 AAPAPALSTPGIRDS-----AFSMESIDDDYVNVPSGESAEASLDGSRREYVNV 195
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1536 SVKKEPVLAQPAVNSGTAASSTLSLVALSAEATPATGTGVPDA--RTEAVPPASSFSV--- 1590
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 196 QELHPGAAKTEPAALSSQEAEEVEEGAP 224
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1591 ----PGQTAVTAAAISSAGPVAVETSSTP 1615
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RESULT 3
US-09-949-016-9768
; Sequence 9768, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9768
; LENGTH: 2120
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9768
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Query Match          9.5%; Score 116; DB 4; Length 2120;
Best Local Similarity 24.9%; Pred. No. 0.16;
Matches 52; Conservative 20; Mismatches 85; Indels 52; Gaps 7;

QY 35 SYDSTSDSLYPRGIQKRPHTVAPWPYPVTSYPPPLSQPDLPIPRSPQ-PLGGSHR 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1470 SFGSQQTNSTVP-----PSAPPTTAATPLPTSFPTLSFGSLSSATTPSLPMSAGRS 1522
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 T-----PSSRRSDGANSVASYENEEPADEDEDDYHNPGLVLPDSTPATST 145
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1523 TEATSSALPEKPGDSEVSASAASLLEEQSAQ-----LPQAPPQTSD 1565
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 146 AAPAPALSTPGIRDS-----AFSMESIDDDYVNVPSGESAEASLDGSRREYVNV 195
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 1566 SVKKEPVLAQPAVNSGTAASSTLSLVALSAEATPATGTGVPDA--RTEAVPPASSFSV--- 1620
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 196 QELHPGAAKTEPAALSSQEAEEVEEGAP 224
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
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ALIGNMENTS

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RESULT 1
US-09-949-016-8622
; Sequence 8622, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8622
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8622
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Query Match          98.0%; Score 1202.5; DB 4; Length 262;
Best Local Similarity 98.9%; Pred. No. 1.5e-103; Indels 29; Gaps 1;
Matches 233; Conservative 0; Mismatches 0;

QY 1 MEEAILVCVLGILLPLILAMLMALCVHCHRLPGSYDSTSDSLYPRGIQKRPHTVAPW 60
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1 MEEAILVCVLGILLPLILAMLMALCVHCHRLPGSYDSTSDSLYPRGIQKRPHTVAPW 60
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 61 PPAYPVVTSYPPPLSQPDLPIPRSPQPLGGSHRTPSSRRSDGANSVASYENE----- 113
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 PPAYPVVTSYPPPLSQPDLPIPRSPQPLGGSHRTPSSRRSDGANSVASYENEGASGIRG 120
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 114 -----EPACEDADEDEDDYHNPGLVLPDSTPATSTAAAPSAP 151
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 AQAGVGVGSPWTRLTPVSLPEPACEDADEDEDDYHNPGLVLPDSTPATSTAAAPSAP 180
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 152 ALSTPGIRDSAFSMESIDDDYVNVPSGESAEASLDGSRREYVNVSOELHPGAAKTEPAALS 211
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 161 ALSTPGIRDSAFSMESIDDDYVNVPSGESAEASLDGSRREYVNVSOELHPGAAKTEPAALS 240
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 212 SOEAEEVEEGAPDYENLQELN 233
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 241 SOEAEEVEEGAPDYENLQELN 262
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RESULT 2
US-09-538-092-1081
; Sequence 1081, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1081
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```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-2290
; TELEFAX: (617) 451-0313
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2414 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-04682-2

Query Match          9.1%; Score 113.5; DB 5; Length 2414;
Best Local Similarity 24.2%; Pred. No. 0.32;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy 27 VCHRLPGSVSDSSDLYPRGQFKRHTVAPWPPA-YPPVTSYP-PLSQDPLLPIPRS 84
Db 817 IHCQLPQALHQNPSPVFS--RTPTHTTPPSIGAQPPATTIPAPVTPPAMPGPQ 874

Qy 85 PQLGGSHRTPSSRRSDGANSVASYENEPACDADDEDDYHNGYLVVLDPSTPAT 144
Db 875 SQAL---HPPRQPTPTTQLPQOVQPSLPAASDAQPOQO-----PRSQOSTA 921

Qy 145 TAAPS-----APALSTFGIRDSAFSMESIDYVNVPSGESAEASLDGSRYYNV 194
Db 922 ASVTPNAPLLPQOPATPLSQPAV-----SIEGQVSNPPSTSTSVNSQALAE-KQP 972

Qy 195 SQEL-----HPGAKTPEPALSSQAEVEEVEEGAPDYENIQEL 232
Db 973 SOEVKMEAKMVDQPEPADTQPEDISSEKVEDCKMESTETESTEL 1019

RESULT 7
US-09-949-016-9918
; Sequence 9918, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9918
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9918

Query Match          9.1%; Score 112; DB 4; Length 520;
Best Local Similarity 24.3%; Pred. No. 0.052;
Matches 51; Conservative 22; Mismatches 79; Indels 58; Gaps 11;

Qy 33 PCSYSTSDSLYPRGIQFKRHTVAPWPPAYPPVTSYPPLSQP---DLLP---IPRSP 85
Db 58 PSQEPSSKDSATSEG-----SPPGPDAPPKVDVPPOEPPPAQDLSQDLPAQ 108

Qy 86 QPLGGSHRTPSSRRSDGANSVASYENEPACDADDE-----DDYHNGYLVVL 136
Db 109 EPL--PHQPLLT-KDLPAQEQ--SPTRDLPPCQDLPPSQVSLPAKALTEDTMSGDLLAA 164

Qy 137 PDSTPATTAASAPALSTFGIR-DSAPSMESIDYVNVPSGESAEASLDGSRYYNV 195
Db 165 TGDPP-----AAP-RPAFVPEVRLDSTYQKA-----GAEQCCSGDESDAEBA 207
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Qy 196 QELHFGAAKTEPALSSQAEVEEVEEGAPD 225
Db 208 EEVEEG-----EEGEDEDEDTSD 226

RESULT 8
US-07-945-283-2
; Sequence 2, Application US/07945283
; Patent No. 5352596
; GENERAL INFORMATION:
; APPLICANT: Cheung, Andrew K.
; APPLICANT: Wesley, Ronald D.
; TITLE OF INVENTION: Pseudorabies Virus Deletion Mutants
; INVOLVING THE EP0 AND LIT GENES
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis P. Ribando
; STREET: 1815 No. 5352596th University Street
; CITY: Peoria
; STATE: IL
; COUNTRY: USA
; ZIP: 61604
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/945,283
; FILING DATE: 19920911
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Ribando, Curtis P
; REGISTRATION NUMBER: 27976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 309-685-4011 ext.513
; TELEFAX: 309-685-4128
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1958 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-945-283-2

Query Match          9.1%; Score 112; DB 1; Length 1958;
Best Local Similarity 35.3%; Pred. No. 0.33;
Matches 30; Conservative 5; Mismatches 26; Indels 24; Gaps 3;

Qy 59 PWPPAYPPVTSYPLSQDPLLPIPRSPQLGGS-----HRTFSSRRDS 101
Db 483 PSPPPPP-----PPLPPPPPPPPPPPPPPAGSARRRRRRGGGGPPGRRRRGKRRRA 538

Qy 102 DGANSVASYENEPACDADDEDD 126
Db 539 EGTEAAAADAE---EDGDEDEDE 560

RESULT 9
US-09-270-767-45531
; Sequence 45531, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45531
; LENGTH: 455
; TYPE: PRT
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; ORGANISM: Drosophila melanogaster
US-09-270-767-45531

Query Match      9.0%; Score 111; DB 4; Length 455;
Best Local Similarity 21.3%; Pred. No. 0.053;
Matches 57; Conservative 23; Mismatches 106; Indels 82; Gaps 9;

QY 34 GSYDSTSSDLYPRGIGQKRP-----HTVAPWPPAYP---PVTs----- 69
Db 165 GSNNTNWSFFIHLRFNTPTQOQPROQNVLPANQPTPPFGSAPPAPVASSNNFS 224
QY 70 -----YPLSQDPLLPIPRSPQ-----LGGSHRTPSSRRDS-- 101
Db 225 GQTMFAAPLNNHHAPVPMGVVLSIPSPMPASILPMNSPLFKITPLQQAQAKSNDGNQ 284
QY 102 ----DCANSVASYEENEPACEDA-----DEDDYHNPGLVVLDPSTPA 142
Db 285 NDDVNCNPFSTYSQESQAVANASMPGVPHGPADASKDDDDMNED--LVQLDDDDDD 342
QY 143 TSTAAPSAPALSTPGIRDSAFSMESIDY-----VNPESGESAEASLDGSRYYNVVSO 196
Db 343 TDUIPLGP---EPBPVKPKSDDDUYEPENPTEPEEPFEEESCDVPTKSESS 399
QY 197 ELHGAAKTEPAALSQEAEEVEEGAP 224
Db 400 DHEPSNSNVQAAAPVENDAEAEARSTRSP 427

RESULT 10
US-09-252-991A-30533
; Sequence 30533, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30533
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30533

Query Match      9.0%; Score 110; DB 4; Length 571;
Best Local Similarity 22.1%; Pred. No. 0.091;
Matches 54; Conservative 30; Mismatches 92; Indels 68; Gaps 9;

QY 39 TSSDLYPRGIGQKRPHTVAPWPPAY-----PPVTsYVPLSQDPLLPIPRSPQ 86
Db 315 TPTVTVSG-----SVAQAPAVSARVAASTQAREPASPVPDPPLVPVSSHQP 367
QY 87 PLGGSHRTPS-----SRSDGANSV-ASYENEPACEDADEDE-DDYHNPGLVVLDP 138
Db 368 IAGRTHERPQPGPGPAKTAAEVASTAQASVDSPAPTAGGEGERRQPG--ETDPS 425
QY 139 STPATSTAAPASALSTPGIR-----DSAFSMESIDYVNPVPSGESA 181
Db 426 ALPPDDQAPVPLPAMQTPGRLVAFRLASSGSRPLPLADLARLLDVAQGRITQVASAESH 485
QY 182 EASLDGSRYYNVVNSQELHPGAAKTEPAALSQEAEEVEEGAPD-----YENL 229
Db 486 AARL-----QVRLPQLGAVEVQLHGHGQLQVEISASPGSLAPLQOAGELLERL 535
QY 230 QELN 233
Db 536 QRLH 539
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RESULT 11
US-08-690-473-2
; Sequence 2, Application US/08690473
; Patent No. 5876923
; GENERAL INFORMATION:
; APPLICANT: Leopardi, Rosario
; APPLICANT: Roizman, Bernard
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 AS AN
; TITLE OF INVENTION: INHIBITOR OF APOPTOSIS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,473
; FILING DATE: 26-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: ARCD:239
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1298 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-690-473-2

Query Match      8.7%; Score 106.5; DB 2; Length 1298;
Best Local Similarity 24.0%; Pred. No. 0.6;
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;

QY 82 PRSQPLGGSHRTPSSRRSDSGANSVASYENEE-----PAC 117
Db 9 PGSPGPTDGPPTPSDRDERGALWGGA-ETEGGDDPDHDPDHPDLDDARRDGRAPAA 67
QY 118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPASALSTPGIRDSAFSMESIDYV 172
Db 68 GTDAGEDAGDAVSQRLALLASWVEAVRTIPTDPAASPPRTPAFRADDDGDEYDDAA 127
QY 173 N-----VPESGESAEASLDGSRYYNVVNSQELHP-----G 201
Db 128 DAAGDRAPARGREAPLRGA--YPDPTDRLSPRPAPPPRRRRHGRWRPSASSTSDSG 185
QY 202 AAKTEPAALSQEAEEVEEGCAPD 225
Db 186 SSSSSSSSSSSSSSDEDDDDGND 209

RESULT 12
US-09-259-821A-2
; Sequence 2, Application US/09259821A
; Patent No. 6210926
; GENERAL INFORMATION:
; APPLICANT: LEOPARDI, ROSARIO
; APPLICANT: ROIZMAN, BERNARD
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS
; FILE REFERENCE: ARCD:317
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Query Match 8.7%; Score 106.5; DB 3; Length 1298;  
Best Local Similarity 24.0%; Pred. No. 0.6;  
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;  
QY 82 PRSPQLGGSHRTPSRRSDGANSVASYENEE-----PAC 117  
DB 9 PGSPGPTDGPPTPSRDRGALWGGA-ETEEGGDDPDHDPHDLDDARRDGRAPAA 67  
QY 118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172  
DB 68 GTDAGEDAGDAVSPRQLALLASVMEAEVRTIPTDPAASPPRTPAFRADDDGDEYDAA 127  
QY 173 N-----VPESGESAEASLDGSRVNVNSQELHP-----G 201  
DB 128 DAAGDRAPARGREAPLRGA--YDPTDRLSPRPPAQPPTRRRHRGWRPSASSTSDSG 185  
QY 202 AAKTEPAALSQEAEEVEEGAPD 225  
DB 186 SSSSSSSSSSSSDEDEDDGND 209  
RESULT 14  
US-09-825-288A-2  
; Sequence 2, Application US/09825288A  
; Patent No. 6723511  
; GENERAL INFORMATION:  
; APPLICANT: LEOPARDI, ROSARIO  
; APPLICANT: ROIZMAN, BERNARD  
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS  
; FILE REFERENCE: ARCD:117USC1  
; CURRENT APPLICATION NUMBER: US/09/825,288A  
; CURRENT FILING DATE: 2001-04-02  
; PRIOR APPLICATION NUMBER: 09/259,821  
; PRIOR FILING DATE: 1999-03-01  
; PRIOR APPLICATION NUMBER: 08/690,473  
; PRIOR FILING DATE: 1996-07-26  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 1298  
; TYPE: PRT  
; ORGANISM: HERPES VIRUS, TYPE 1  
US-09-825-288A-2  
Query Match 8.7%; Score 106.5; DB 4; Length 1298;  
Best Local Similarity 24.0%; Pred. No. 0.6;  
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;  
QY 82 PRSPQLGGSHRTPSRRSDGANSVASYENEE-----PAC 117  
DB 9 PGSPGPTDGPPTPSRDRGALWGGA-ETEEGGDDPDHDPHDLDDARRDGRAPAA 67  
QY 118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172  
DB 68 GTDAGEDAGDAVSPRQLALLASVMEAEVRTIPTDPAASPPRTPAFRADDDGDEYDAA 127  
QY 173 N-----VPESGESAEASLDGSRVNVNSQELHP-----G 201  
DB 128 DAAGDRAPARGREAPLRGA--YDPTDRLSPRPPAQPPTRRRHRGWRPSASSTSDSG 185  
QY 202 AAKTEPAALSQEAEEVEEGAPD 225  
DB 186 SSSSSSSSSSSSDEDEDDGND 209  
RESULT 15  
US-09-949-016-6777  
; Sequence 6777, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

CURRENT APPLICATION NUMBER: US/09/259,821A  
CURRENT FILING DATE: 1999-03-01  
PRIOR APPLICATION NUMBER: 08/690,473  
PRIOR FILING DATE: 1996-07-26  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 2  
LENGTH: 1298  
TYPE: PRT  
ORGANISM: HERPES VIRUS, TYPE 1  
US-09-259-821A-2  
Query Match 8.7%; Score 106.5; DB 3; Length 1298;  
Best Local Similarity 24.0%; Pred. No. 0.6;  
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;  
QY 82 PRSPQLGGSHRTPSRRSDGANSVASYENEE-----PAC 117  
DB 9 PGSPGPTDGPPTPSRDRGALWGGA-ETEEGGDDPDHDPHDLDDARRDGRAPAA 67  
QY 118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172  
DB 68 GTDAGEDAGDAVSPRQLALLASVMEAEVRTIPTDPAASPPRTPAFRADDDGDEYDAA 127  
QY 173 N-----VPESGESAEASLDGSRVNVNSQELHP-----G 201  
DB 128 DAAGDRAPARGREAPLRGA--YDPTDRLSPRPPAQPPTRRRHRGWRPSASSTSDSG 185  
QY 202 AAKTEPAALSQEAEEVEEGAPD 225  
DB 186 SSSSSSSSSSSSDEDEDDGND 209  
RESULT 13  
US-08-843-659-2  
; Sequence 2, Application US/08843659  
; Patent No. 6218103  
; GENERAL INFORMATION:  
; APPLICANT: Leopardi, Rosario  
; APPLICANT: Roizman, Bernard  
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS US3 AND ICP4 AS  
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/843,659  
; FILING DATE: Concurrently Herewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Highlander, Steven L.  
; REGISTRATION NUMBER: 37,642  
; REFERENCE/DOCKET NUMBER: ARSB:519  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (512) 474-7577  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1298 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-08-843-659-2



Qy 37 DSTSDSLVPRGIQFKRPHTVAP--WPPAYPP-----VTSYPPISQP-----DLLP 80

US-09-854-133-425

APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
SEQUENCES RELATING TO STREPTO  
THERAPEUTICS

SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE  
THERAPEUTICS

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;
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS: GENOME THERAPEUTICS CORPORATION
; ADDRESS: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 3721:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 520 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...520
; SEQUENCE DESCRIPTION: SEQ ID NO: 3721:
US-09-107-433-3721

Query Match 8.6%; Score 105; DB 4; Length 520;
Best Local Similarity 23.4%; Pred. No. 0.23;
Matches 43; Conservative 26; Mismatches 69; Indels 46; Gaps 7;

Qy 39 TSSDSLPRGIQFKRPHTVAPWPPAY-----PPVTSYPLSQPDLPIPRSPQ 86
Db 315 TPTVPLPSG-----SVARQAPAVSARVAASTQAREPASVSAPPVDEPLVPVSSHPQ 367

Qy 87 PLGGSRRTPS-----SRRSDGANSV-ASYNEEPACEDADEB-DDYHNPGLVVLPD 138
Db 368 IAGRTHERPQPGPGFPAKTAAEVASTAQASVQVSPAPTAGGEGRGEERQPG--ETDPS 425

Qy 139 STPATSTAAPSALSTGIR-----DSAFSMESIDYVNVVPSGSA 181
Db 426 ALPPDDQAPVPLFAMQTPGDRLLARLLASSGSRPLPLADLARLLDAVOGRIQVASAESH 485

Qy 182 EASL 185
Db 486 AARL 489

RESULT 19
US-09-823-240A-2
; Sequence 2, Application US/09823240A
; Patent No. 6716597
; GENERAL INFORMATION:
; APPLICANT: Frank B. Gertler
; APPLICANT: James E. Bear
; APPLICANT: Jurgen Wehland
; APPLICANT: Joseph Loureiro

; TITLE OF INVENTION: Methods and Products for Regulating Cell
; MOTILITY
; FILE REFERENCE: M00656.70064.US
; CURRENT APPLICATION NUMBER: US/09/823,240A
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 60/194,564
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Mus musculus
; ORGANISM: Mus musculus
US-09-823-240A-2

Query Match 8.5%; Score 104.5; DB 4; Length 802;
Best Local Similarity 24.0%; Pred. No. 0.47;
Matches 60; Conservative 17; Mismatches 77; Indels 77; Gaps 9;

Qy 34 GSYDSTSDSLYPRGIQFKRPHTVAPWPPAYPPVTSYPLSQPDLPI-----PRSP 85
Db 422 GSLDSVT---YFVSPPTSGPAAPPPPPPPPPPPPPPPPLPLASLSHCGSQASP 477

Qy 86 QPLGGSHRTPSSRRD---SDGANSVASYEN-----EPPACEDADEDED--- 126
Db 478 PPGTPLASTPSSKPSVLPSPAGAPASAEPLNPELGDSSASPEGLQAASQPAESPTPG 537

Qy 127 -----YHNPGLVVL-----PDSTPATSTA----- 146
Db 538 LVLGPAPPPPPPLPSGPAYASALPPPPPPPPPPPPPPPPPPPPPPPLPNOAPPPP 597

Qy 147 APSAPALSTPGIRDSAFSMESIDYVNVVPSGSAEASLDGSRVYVNVSOELHPGAAKTE 206
Db 598 PPAPPLPASGI---FSGSTSED--NRPLTGLAATAIAGAKLRKVRVEDGSPFGGNTG 651

Qy 207 PAALSQAE 216
Db 652 SVSLASSKAD 661

RESULT 20
US-09-344-624-4
; Sequence 4, Application US/09344624
; Patent No. 6753154
; GENERAL INFORMATION:
; APPLICANT: Chen, Huei-Mei
; APPLICANT: Bissell, Mina
; TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE
; PRODUCTS
; FILE REFERENCE: 2960.44 (HV)
; CURRENT APPLICATION NUMBER: US/09/344,624
; CURRENT FILING DATE: 1999-06-25
; EARLIER APPLICATION NUMBER: 60/090,747
; EARLIER FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1219
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-344-624-4

Query Match 8.5%; Score 104.5; DB 4; Length 1219;
Best Local Similarity 22.5%; Pred. No. 0.85;
Matches 64; Conservative 28; Mismatches 73; Indels 119; Gaps 16;

Qy 35 SYDS-----TSSDSLPRGIO----FKRPHTVAP--WPPAYPP-----VTSYPL 73
Db 280 SYHSDVVGQVSTDLIAQRSDSEAFETPSTTPVKAPPAPPPPPPPPPPPPPPPPP 339

Qy 74 SQP-----DLLPI---PRSPQPLGGSHRTPSS-----RRSDGANSVA 108
Db 340 EPGCGSETVPVDPGPRSDSVEGSPFRFPSPFSAVFDEQPIASSGTYNLDFDNLVD 399
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QY 109 SYNEEPACDADEDE-----DDVH-----NPGYLV 134  
Db 400 TFOTLEPRASDAKQKQKVNTRKSTDSVPSKSTLSRSLQASDFDGASSGNPEAVA 459  
QY 135 VLPD-----STPAT-----TAAPSAPAL-----STPGIRDSAFSMESIDDDVNVNP 175  
Db 460 LAPDAYSTGSSASSTLKRTPKPPSLKKQTKTTPPVKE---TQQEDDESRLVP 516  
QY 176 ESGESAFAASLDGSEYVNVSOELHPGAAKTE---PAALSSQAE 216  
Db 517 -SGE-----NLASETKTESAKTEGSPALLEETPLE 546  
RESULT 21  
US-08-194-468-2  
; Sequence 2, Application US/08194468  
; Patent No. 5750336  
; GENERAL INFORMATION:  
; APPLICANT: Montminy, Marc R.  
; TITLE OF INVENTION: ASSAYS FOR THE IDENTIFICATION OF  
; TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT ACTIVATION OF CAMP AND MITOGEN  
; TITLE OF INVENTION: RESPONSIVE GENES  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90071  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/194,468  
; FILING DATE: 10-FEB-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reiter, Stephen E.  
; REGISTRATION NUMBER: 31,192  
; REFERENCE/DOCKET NUMBER: P41 9672  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619)-546-4737  
; TELEFAX: (619)-546-9392  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2441 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-194-468-2  
Query Match 8.5%; Score 104; DB 1; Length 2441;  
Best Local Similarity 25.8%; Pred. No. 2.5;  
Matches 54; Conservative 18; Mismatches 79; Indels 58; Gaps 10;  
QY 33 PGSYDSTSDSLYPRGIQFKRPHTVAPWP--PAYPPVTSYPPLSQPDLLPIPRSPQLGG 90  
Db 904 PGSVPSAAQTSTPT-VQAAQAQVTPQPTVPQPSVATPQSSQQ--PTPVHTQPPG- 959  
QY 91 SHRTPSSRRSDGANSVASYNEEPACDADEDEDDYHNPGLVVLDPSTPATSTAAPSA 150  
Db 960 ---TPLSQ-----AAASIDNRVP-----TPSTVTSAETS 985  
QY 151 PALSTPGIRDSAFSMESIDDDVNVPSGES-----AEASLDGSEYVNVSOELHPGA 202  
Db 986 SQQPGDPVPMLEKTEVTDDAE-PEPTESKGEPRSEMMEEDLQSSQ---VKEETDTTE 1041  
QY 203 AKTEPAALSSQ-----EAEVEEBEGAPD 225  
Db 1042 QKSEPMVEVEKKPEVKVEAKEEENSND 1070  
RESULT 23  
US-09-514-247A-8  
; Sequence 8, Application US/09514247A  
; Patent No. 6365361  
; GENERAL INFORMATION:  
; APPLICANT: TANABE SEIYAKU CO. LTD.  
; APPLICANT: TANIGUCHI, Tomoyasu  
; APPLICANT: MIZUKAMI, Junko  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI  
; FILE REFERENCE: TANIGUCHI=6  
; CURRENT APPLICATION NUMBER: US/09/514,247A  
; PRIOR FILING DATE: 2000-02-28  
; PRIOR APPLICATION NUMBER: PCT/JP98/03734  
; PRIOR FILING DATE: 1998-08-24  
; PRIOR APPLICATION NUMBER: JP231084/1997  
; PRIOR FILING DATE: 1997-08-27  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 8  
; LENGTH: 2441  
; TYPE: PRT  
; ORGANISM: mouse  
; US-09-514-247A-8  
Query Match 8.5%; Score 104; DB 3; Length 2441;

Db 1042 QKSEPMVEVEKKPEVKVEAKEEENSND 1070  
RESULT 22  
US-08-961-739-2  
; Sequence 2, Application US/08961739A  
; Patent No. 6063583  
; GENERAL INFORMATION:  
; APPLICANT: Montminy, Marc R.  
; TITLE OF INVENTION: Methods for Treating Diabetes Mellitus  
; FILE REFERENCE: SALK1650-1  
; CURRENT APPLICATION NUMBER: US/08/961,739A  
; CURRENT FILING DATE: 1997-10-31  
; EARLIER APPLICATION NUMBER: US 194,468  
; EARLIER FILING DATE: 1994-02-10  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 2441  
; TYPE: PRT  
; ORGANISM: Mus  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)---(2441)  
; OTHER INFORMATION: Xaa = Any Amino Acid  
; US-08-961-739-2  
Query Match 8.5%; Score 104; DB 3; Length 2441;  
Best Local Similarity 25.8%; Pred. No. 2.5;  
Matches 54; Conservative 18; Mismatches 79; Indels 58; Gaps 10;  
QY 33 PGSYDSTSDSLYPRGIQFKRPHTVAPWP--PAYPPVTSYPPLSQPDLLPIPRSPQLGG 90  
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QY 91 SHRTPSSRRSDGANSVASYNEEPACDADEDEDDYHNPGLVVLDPSTPATSTAAPSA 150  
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QY 151 PALSTPGIRDSAFSMESIDDDVNVPSGES-----AEASLDGSEYVNVSOELHPGA 202  
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QY 203 AKTEPAALSSQ-----EAEVEEBEGAPD 225  
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RESULT 23  
US-09-514-247A-8  
; Sequence 8, Application US/09514247A  
; Patent No. 6365361  
; GENERAL INFORMATION:  
; APPLICANT: TANABE SEIYAKU CO. LTD.  
; APPLICANT: TANIGUCHI, Tomoyasu  
; APPLICANT: MIZUKAMI, Junko  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI  
; FILE REFERENCE: TANIGUCHI=6  
; CURRENT APPLICATION NUMBER: US/09/514,247A  
; PRIOR FILING DATE: 2000-02-28  
; PRIOR APPLICATION NUMBER: PCT/JP98/03734  
; PRIOR FILING DATE: 1998-08-24  
; PRIOR APPLICATION NUMBER: JP231084/1997  
; PRIOR FILING DATE: 1997-08-27  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 8  
; LENGTH: 2441  
; TYPE: PRT  
; ORGANISM: mouse  
; US-09-514-247A-8  
Query Match 8.5%; Score 104; DB 3; Length 2441;

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; APPLICANT: TANIGUCHI, Tomoyasu
; APPLICANT: MIZUKAMI, Junko
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI
; FILE REFERENCE: TANIGUCHI=6
; CURRENT APPLICATION NUMBER: US/09/514,247A
; CURRENT FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: PCT/JP98/03734
; PRIOR FILING DATE: 1998-08-24
; PRIOR APPLICATION NUMBER: JP231084/1997
; PRIOR FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
; LENGTH: 2442
; TYPE: PRT
; ORGANISM: human
; US-09-514-247A-10

Query Match      8.5%; Score 104; DB 3; Length 2442;
Best Local Similarity 24.2%; Pred. No. 2.5;
Matches 55; Conservative 29; Mismatches 93; Indels 50; Gaps 9;

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QY      80  PTPRSQ-PLGSGHRTPSRRDSDGANSVASYENEEACEDADEDEDYHNPGLVWL 138
DB      883 AAPTQPSSTRVSSGGQFT---PTPGVPSATQTOSTPTVQAAAQ-----VTPQ 929
QY      139 -----STPATTAAPSAPALSPGGRDASFMSIDYVNVPSGESAEAS---- 184
DB      930 PQTVPQPPSVATPQSQQQTPVHAQPCGTPLSQ-AAASIDNRVPTPSSVASAETNSQ 988
QY      185 -----LDGSRVYVNSQELHPGAAKTEPAALSSQE-----AEEVEEE 221
DB      989 GPDVPVLEMKTQTAEDTEPDPGESKGEPRSEMMEEDLQGASQVKEE 1035

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RESULT 25  
US-09-514-247A-10  
; Sequence 10. Application US/09514247A  
; Patent No. 6365361  
; GENERAL INFORMATION:  
; APPLICANT: TANABE SEIYAKU CO. LTD.

GenCore version 5.1.6  
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# OM protein - protein search, using sw model

Run on: November 10, 2005, 09:01:04 ; Search time 166 Seconds  
(without alignments)  
587.286 Million cell updates/sec

Title: US-09-597-920B-4  
Perfect score: 1227  
Sequence: 1 MEEAIIIVPCVGLLLPILA.....EAEVEEGAPDYENLQELN 233

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES			
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1	262.5	21.4	101 17 US-10-935-098-58 Sequence 58, Appl
2	262.5	21.4	102 9 US-09-739-907-58 Sequence 58, Appl
3	262.5	21.4	102 11 US-09-938-671-58 Sequence 58, Appl
4	262.5	21.4	180 9 US-09-739-907-106 Sequence 106, Appl
5	262.5	21.4	180 11 US-09-938-671-106 Sequence 106, Appl
6	262.5	21.4	180 17 US-10-935-098-106 Sequence 106, Appl
7	123.5	10.1	311 16 US-10-437-963-174234 Sequence 174234, A
8	120.5	9.8	371 15 US-10-425-114-63228 Sequence 63228, A
9	120.5	9.8	468 16 US-10-437-963-146700 Sequence 146700, A
10	117	9.5	1061 20 US-11-097-143-19497 Sequence 19497, A
11	116	9.5	2127 17 US-10-367-057-43 Sequence 43, Appl

12	114.5	9.3	838	20	US-11-097-143-38436	Sequence 38436, A
13	114.5	9.3	1000	14	US-10-128-714-3305	Sequence 3305, Ap
14	114	9.3	762	16	US-10-437-963-131253	Sequence 131253, A
15	113.5	9.3	735	15	US-10-282-122A-69392	Sequence 69392, A
16	113.5	9.3	1186	20	US-11-097-143-9768	Sequence 9768, Ap
17	113.5	9.3	2414	16	US-10-473-127-634	Sequence 634, App
18	113.5	9.3	2414	16	US-10-473-127-641	Sequence 641, App
19	113.5	9.3	2414	16	US-10-473-127-642	Sequence 642, App
20	113.5	9.3	2414	16	US-10-473-127-644	Sequence 644, App
21	113.5	9.3	2414	16	US-10-473-127-646	Sequence 646, App
22	113.5	9.3	2414	17	US-10-732-923-18449	Sequence 18449, A
23	113.5	9.3	2414	18	US-10-756-149-5732	Sequence 5732, Ap
24	113	9.2	732	20	US-11-097-143-5817	Sequence 5817, Ap
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26	112.5	9.2	1186	14	US-10-193-692-2	Sequence 2, Appli
27	112	9.1	430	16	US-10-739-930-9638	Sequence 9638, Ap
28	112	9.1	519	15	US-10-113-794A-2	Sequence 2, Appli
29	112	9.1	519	15	US-10-428-487-14	Sequence 14, Appl
30	112	9.1	519	15	US-10-258-371B-28	Sequence 28, Appl
31	112	9.1	916	18	US-10-899-422-13	Sequence 13, Appl
32	112	9.1	917	18	US-10-487-092-15	Sequence 15, Appl
33	112	9.1	923	15	US-10-114-270-152	Sequence 152, App
34	112	9.1	1059	18	US-10-899-422-11	Sequence 11, Appl
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36	110.5	9.0	299	16	US-10-477-876-2	Sequence 2, Appli
37	110.5	9.0	299	18	US-10-981-737-2	Sequence 2, Appli
38	110.5	9.0	348	20	US-11-097-143-34143	Sequence 34143, A
39	110	9.0	346	16	US-10-437-963-184670	Sequence 184670, A
40	110	9.0	584	14	US-10-156-761-12405	Sequence 12405, A
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43	109.5	8.9	1151	10	US-09-825-751A-79	Sequence 79, Appl
44	109.5	8.9	1151	18	US-10-851-438-79	Sequence 79, Appl
45	109.5	8.9	1240	15	US-10-369-493-4031	Sequence 4031, Ap
46	109.5	8.9	1244	17	US-10-732-923-16945	Sequence 16945, A
47	109	8.9	509	16	US-10-437-963-106493	Sequence 106493, A
48	109	8.9	1678	16	US-10-437-963-138217	Sequence 138217, A
49	108.5	8.8	1343	16	US-10-408-765A-1085	Sequence 1085, Ap
50	108.5	8.8	1714	14	US-10-128-714-3176	Sequence 3176, Ap
51	108.5	8.8	1750	14	US-10-128-714-8176	Sequence 8176, Ap
52	108	8.8	829	15	US-10-369-493-3403	Sequence 3403, Ap
53	108	8.8	2296	20	US-11-097-143-3942	Sequence 3942, Ap
54	107.5	8.7	634	15	US-10-108-260A-3340	Sequence 3340, Ap
55	106.5	8.7	420	16	US-10-425-115-184837	Sequence 184837, A
56	106.5	8.7	469	17	US-10-926-543-89	Sequence 89, Appl
57	106.5	8.7	497	9	US-09-764-864-1314	Sequence 1314, Ap
58	106.5	8.7	534	9	US-09-764-864-861	Sequence 861, App
59	106.5	8.7	1298	9	US-09-825-288A-2	Sequence 2, Appli
60	106	8.6	220	16	US-10-425-115-314142	Sequence 314142, A
61	106	8.6	299	16	US-10-767-701-33061	Sequence 33061, A
62	106	8.6	329	16	US-10-425-115-217546	Sequence 217546, A
63	106	8.6	788	16	US-10-437-963-195635	Sequence 195635, A
64	106	8.6	1026	20	US-11-037-713-25	Sequence 25, Appl
65	106	8.6	1372	16	US-10-437-963-165419	Sequence 165419, A
66	106	8.6	1790	16	US-10-437-963-138166	Sequence 138166, A
67	105.5	8.6	283	9	US-09-864-761-34492	Sequence 34492, A
68	105.5	8.6	553	16	US-10-437-963-147077	Sequence 147077, A
69	105.5	8.6	1243	18	US-10-450-763-51580	Sequence 51580, A
70	105.5	8.6	4019	9	US-09-738-973-425	Sequence 425, App
71	105.5	8.6	4019	9	US-09-854-133-425	Sequence 425, App
72	105.5	8.6	4019	14	US-10-144-649A-425	Sequence 425, App
73	105	8.6	520	18	US-10-617-320-37236	Sequence 3721, Ap
74	105	8.6	774	20	US-11-097-143-19236	Sequence 19236, A
75	105	8.6	925	16	US-10-437-753-13	Sequence 13, Appl
76	105	8.6	1164	16	US-10-437-963-165343	Sequence 165343, A
77	105	8.6	1236	17	US-10-732-923-16945	Sequence 16946, A
78	105	8.6	1345	16	US-10-437-963-165375	Sequence 165375, A
79	105	8.6	1557	20	US-11-097-143-17997	Sequence 17997, A
80	105	8.6	2109	16	US-10-437-963-195689	Sequence 195689, A
81	105	8.6	2550	16	US-10-437-963-182937	Sequence 182937, A
82	104.5	8.5	300	16	US-10-678-355-4	Sequence 4, Appli
83	104.5	8.5	678	16	US-10-437-963-165341	Sequence 165341, A
84	104.5	8.5	802	9	US-09-823-340-2	Sequence 2, Appli

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Best Local Similarity    65.5%;   Pred. No. 6.5e-13;
Matches 57; Conservative 2; Mismatches 19; Indels 9; Gaps 2;
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Qy      61 PPAYPVTSYPPPLSQPDILLIPRSPQP 87
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; Sequence 106, Application US/09739907
; Patent No. US20010012889A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 36 Human Secreted Proteins
; FILE REFERENCE: P2022P1
; CURRENT APPLICATION NUMBER: US/09/739,907
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/348,457
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/070,567
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,692
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,704
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,658
; PRIOR FILING DATE: 1998-01-07
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 106
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-739-907-106

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Query Match      21.4%; Score 262.5; DB 9; Length 180;
Best Local Similarity 65.5%; Pred. No. 1.3e-12;
Matches 57; Conservative 2; Mismatches 19; Indels 9; Gaps 2;

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Db 80 MEEAILVPCVLGILLPILAMLMALCVCHRIPGSYDSTSSDSLPRTGQFKRPHTVAPW 60
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QY 61 PRAYPVTSYPPPLSQPDLLPIRSPQP 87
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Db 134 SHGCCPLATCLPTC---HLLPTEPARP 157

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RESULT 5  
US-09-938-671-106  
; Sequence 106, Application US/09938671  
; Publication No. US20040002066A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 36 Human Secreted Proteins  
; FILE REFERENCE: PZ022P1  
; CURRENT APPLICATION NUMBER: US/09/938, 671  
; CURRENT FILING DATE: 2001-08-27  
; PRIOR APPLICATION NUMBER: 09/348, 457  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: 60/070, 567  
; PRIOR FILING DATE: 1998-01-07  
; PRIOR APPLICATION NUMBER: 60/070, 692  
; PRIOR FILING DATE: 1998-01-07  
; PRIOR APPLICATION NUMBER: 60/070, 704  
; PRIOR FILING DATE: 1998-01-07  
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; PRIOR FILING DATE: 1998-01-07

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; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 180
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-938-671-106

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Query Match	21.4%
Best Local Similarity	65.5%
Matches	57; Conservative

  

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DB	80	MEEAILVPCVLGLLLLE		80	MEEAILVPCVLGLLLLE
QY	61	PNAYPVTYSPPLSQPT		61	PNAYPVTYSPPLSQPT
DB	134	SHGCPLATCLPTC---H		134	SHGCPLATCLPTC---H

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// Publication No. US20050042667
// GENERAL INFORMATION:
// APPLICANT: LaPleur et al.
// TITLE OF INVENTION: 36 Human
// FILE REFERENCE: PZ02P21C3
// CURRENT APPLICATION NUMBER:
// CURRENT FILING DATE: 2004-0
// PRIOR APPLICATION NUMBER: 09
// PRIOR FILING DATE: 2001-08-2
// PRIOR APPLICATION NUMBER: 09
// PRIOR FILING DATE: 2000-12-2
// PRIOR APPLICATION NUMBER: 09
// PRIOR FILING DATE: 1999-07-0
// PRIOR APPLICATION NUMBER: PC
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US-10-935-098-106

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US-10-437-963-174234  
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; Publication No. US20040123343A  
; GENERAL INFORMATION:

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US-10-437-963-174234  
; Sequence 174234, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION.

APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 174234  
LENGTH: 311  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(311)  
OTHER INFORMATION: unsure at all Xaa locations  
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US-10-437-963-174234  
Query Match 10.1%; Score 123.5; DB 16; Length 311;  
Best Local Similarity 23.1%; Pred. No. 0.19;  
Matches 46; Conservative 30; Mismatches 84; Indels 39; Gaps 6;  
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QY 117 CEDADEDEDDYHNGYLVLPDSTPA---TSTAAPSAPALSTPG----- 157  
DB 113 DEEVDDDAEDEHEH---ETEDATPAEPAMKAAAPPAPPKDTERQLSKKELKKELEEL 168  
QY 158 ---IRDSAFSMEIDDDYNNVSEGESASASLDGSRREYVNSQELHPGAQTEPAALSSQE 214  
DB 169 DALLAELELSKSNNDQNETNGKGAQAADGE-----NKEGAPAPAPESK-----SSKK 218  
QY 215 AEEVEEGAPDYENIQELN 233  
DB 219 KKAKDKSAKEATQELN 237  
RESULT 8  
US-10-425-114-63228  
Sequence 63228, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 63228  
LENGTH: 371  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3180-024-A2\_FLI.pap  
US-10-425-114-63228  
Query Match 9.8%; Score 120.5; DB 15; Length 371;

Best Local Similarity 25.2%; Pred. No. 0.41;  
Matches 62; Conservative 31; Mismatches 102; Indels 51; Gaps 11;  
QY 10 VLGLLLPILAMLMALCVHCH---RLPGSYDSTSDSLYPRGIQFKRPHTVAPW-PPAYP 65  
DB 11 VLAGILLALVA--MAVAVHAHAPAHSPSEEST-SFSEAPAGAPDDAREMETPWNSPA 67  
QY 66 PVTSPPLSQPDLLPIRSPQPLGGSHRTSPSRRSDSGANSVA-SYNEEEPAC-----ED 119  
DB 68 PV-----LYGENAAPAASPEEGAPAMAPGFDANGPAAASPEED 107  
QY 120 ABEDEDDYHNGYLVLPDSTPATSTAA---PSAPALSTPGIRDSAFSMEIDDDYNNVPE 176  
DB 108 ATAMAPDYDANGPTAASPEEYAPAMAPDYDANGPAAASPEVEAPTMAPDLSPSASESE 167  
QY 177 SCE-----SASASLDGSRREYVNSQELHPGAQ-----TEPAALSSQEAEEVEE--E 221  
DB 168 EAPTMAPDLSPSASEAPEEAPTMAPDLSPSASEAPEEELPTMAPDLSPVASESPETPA 227  
QY 222 GAPDYE 227  
DB 228 GAPEFE 233  
RESULT 9  
US-10-437-963-146700  
Sequence 146700, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 146700  
LENGTH: 468  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(468)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_4729C.1.pap  
US-10-437-963-146700  
Query Match 9.8%; Score 120.5; DB 16; Length 468;  
Best Local Similarity 24.9%; Pred. No. 0.55;  
Matches 54; Conservative 28; Mismatches 82; Indels 53; Gaps 7;  
QY 31 RLPGSYDSTSDSLYPRGIQFKRPHTVAPWPPAYPPVTSYPLSQPDLLPIRSPQPLGG 90  
DB 6 RRGSG-----LARGQWARREVRVWLEELAPTGTSETTXERMPKRVVK-----53  
QY 91 SHRTSPSRRSDSGANSVASVSENEEPACEDADEDDYHNGYLVLPDSTPATSTAAPSA 150  
DB 54 --EKVVRKESDAGPDMAAEEGAEPASVAEDGE-----GQAPSQPSAPAPSPS-SA 104  
QY 151 PALSTPGIRDSAFSMEIDDDYNNVSEGESAEA-----SLDGSREYVNSQELHPGAQAKT 205  
DB 105 PATS-----VQVPNTADVAKAAAVARALQTRAENLSTNLQVLVPPQAAPS 147  
QY 206 EPAA-----LSSQEAEEVEEGAPDYENIQEL 232



Db 148 QPAAPTALAVVOAQISLDPAAQAEADMEARRQNWTRL 184

RESULT 10

US-11-097-143-19497

Sequence 19497, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

TITLE OF INVENTION: DROSOPHILA GENES.

FILE REFERENCE: CL000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

PRIOR APPLICATION NUMBER: 60/164,769

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 19497

LENGTH: 1061

TYPE: PRT

ORGANISM: DROSOPHILA

US-11-097-143-19497

Query Match

Best Local Similarity 9.5%; Score 117; DB 20; Length 1061;

Mismatches 59; Conservative 33; Mismatches 92; Indels 88; Gaps 13;

QY 27 VHCRLPGSYDST-----SSDSLYPRGQFKRPHTV-----APWPPAYPPVTS 69

Db 418 VECDTLPGNYSTIINAPNGTYGSKAEISCPGYRMEGPRVLTCLASQWSSALPRCIK 477

QY 70 YPPLSQP---DLLPIPRS---POPL-----GSHRTP-----SSRRDGSANSYAS 109

Db 478 LEPSTQPTAASTIPVSSVATPPFPKPVSVSTTSRTPYRPVAVSTASSIGGSSTSTVGT 537

QY 110 YNEEPA---CEDADEDDYH-----NPGYLVLPDSTPAT-----143

Db 538 YPSSLPTQVEINGESESEEEINVPVPGTVREFFPPRTVRVLPKKNSTPAALPPTT 597

QY 144 -----STAAPSAPALSTP-GIRDSAFMSIDDYV-----NVPESGESAEASLDGS 188

Db 598 HQVPPQPPSTYAPTTPRSRSPGAPNSAGEVETTRNTQQIILANGHPQDNIPDS-----652

QY 189 REYVNVYSQELHPGAAKTEPAALSSQAEVEE 220

Db 653 ----VNIQQQSNV---NVFPAVDNPRKETKE 679

RESULT 11

US-10-367-057-43

Sequence 43, Application US/10367057

Publication No. US20050100554A1

GENERAL INFORMATION:

APPLICANT: Cuthill, Scott;

APPLICANT: Jackson, Amanda;

APPLICANT: Lewin, David A.;

APPLICANT: Ooi, Chean Eng

TITLE OF INVENTION: Complexes and Methods of Using Same

FILE REFERENCE: 21402-559

CURRENT APPLICATION NUMBER: US/10/367,057

CURRENT FILING DATE: 2003-02-14

PRIOR APPLICATION NUMBER: 60/256,911

PRIOR FILING DATE: 2002-02-14

NUMBER OF SEQ ID NOS: 198

SOFTWARE: CuraSeqList version 0.1

SEQ ID NO 43

LENGTH: 2127

TYPE: PRT

ORGANISM: Homo sapiens

US-10-367-057-43

Query Match

Best Local Similarity 9.5%; Score 116; DB 17; Length 2127;

Mismatches 52; Conservative 20; Mismatches 85; Indels 52; Gaps 7;

QY 35 SYDSTSSDSLYPRGQFKRPHTVAPWPPAYPPVTSYPPLSQDPLLPKPSQ-PLGGSHR 93

Db 1477 SFGSQQTNSTVP-----PSAPPPTTAATPLPTSFPTLSFGSLSSATTPLSPMSAGRS 1529

QY 94 T-----PSRRDSDGANSVASENEPACEDADEDDYHNPGLVVLDPDSTPATST 145

Db 1530 TEEATSSALPEKPGDSEVSASAAALLERQSSAQ-----LPQAPPQTS 1572

QY 146 AAPSPALSTPGIRDS-----AFSMESIDDYVNVPEGESAEASLDGSREYVNV 195

Db 1573 SVYKEPVLQAQPAVNSGTAASTLSVALSAETPATTTGVPDA--RTEAVPPASSFSV --- 1627

QY 196 QELHFGAAKTEPAALSSQAEVEE 224

Db 1628 ----PGQTAVTAAAISSAGPVAVETSSTP 1652

RESULT 12

US-11-097-143-38436

Sequence 38436, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

FILE REFERENCE: CL000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

PRIOR APPLICATION NUMBER: 60/164,769

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 38436

LENGTH: 838

TYPE: PRT

ORGANISM: DROSOPHILA

US-11-097-143-38436

	Query Match	9.3%	Score 114.5	DB 20	Length 838
	Best Local Similarity	24.9%	Pred. No. 3.3		
	Matches 53	Conservative	30	Mismatches 79	Indels 51
	Gaps				11
Qy	33	PGSYDTS <sup>SS</sup> SLY <sup>PR</sup> GIO <sup>FR</sup> PH <sup>VA</sup> W <sup>MP</sup> PA <sup>YP</sup> VT <sup>SY</sup> PL <sup>PS</sup> Q <sup>PD</sup> LL <sup>IP</sup> RS <sup>PO</sup> PL <sup>GG</sup> SH 92			
Db	281	PS <sup>SS</sup> SS <sup>SS</sup> EEGV <sup>---</sup> SVEIKTP <sup>-</sup> IVA <sup>----</sup> PPESGSHS <sup>IS</sup> V <sup>EG</sup> T <sup>TA</sup> VPAQ <sup>PE</sup> --ESE 328			
Qy	93	RT <sup>SS</sup> RR <sup>SD</sup> SGAN <sup>V</sup> SY <sup>EN</sup> EE <sup>PA</sup> CE <sup>DA</sup> DE <sup>DD</sup> YH <sup>NP</sup> GY <sup>LV</sup> LP <sup>DS</sup> T <sup>--</sup> PAT <sup>STA</sup> PS <sup>-</sup> 149			
Db	329	QE <sup>PE</sup> SK <sup>-----</sup> PH <sup>PE</sup> SES <sup>AS</sup> ES <sup>ET</sup> ET <sup>EE</sup> -----IIP <sup>GT</sup> ARE <sup>PT</sup> SR <sup>SS</sup> SS 370			
Qy	150	--APALST <sup>----</sup> PG <sup>IR</sup> DS <sup>AF</sup> SM <sup>ES</sup> -----IDDY <sup>VN</sup> VP <sup>ES</sup> GE <sup>GA</sup> E <sup>AS</sup> LD <sup>GS</sup> RE <sup>VN</sup> YS <sup>Q</sup> 196			
Db	371	EE <sup>SE</sup> SI <sup>FT</sup> TL <sup>PL</sup> PK <sup>Q</sup> PT <sup>S</sup> ASS <sup>SS</sup> GE <sup>V</sup> VT <sup>SE</sup> Y <sup>TV</sup> PH <sup>FE</sup> V <sup>SG</sup> SK <sup>SE</sup> SE <sup>EE</sup> V <sup>TV</sup> TP 430			
Qy	197	ELH <sup>PG</sup> AA <sup>-----</sup> KTE <sup>PA</sup> AL <sup>SS</sup> Q <sup>EA</sup> BE <sup>VE</sup> EGAP 224			
Db	431	TA <sup>AP</sup> SI <sup>TS</sup> IV <sup>DT</sup> SS <sup>GG</sup> SS <sup>SS</sup> SE <sup>VE</sup> VT <sup>TP</sup> AP 463			

RESULT 13  
US-10-128-714-3305  
Sequence 3305, Application US/10128714  
Publication No. US20030119013A1  
GENERAL INFORMATION:  
APPLICANT: Jiang, Bo  
APPLICANT: Hu, Wenqi  
APPLICANT: Tishkoff, Daniel  
APPLICANT: Zamudio, Carlos  
APPLICANT: Eroshkin, Alexey M  
APPLICANT: Lemieux, Sebastien M  
TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and  
TITLE OF INVENTION: Methods of Use  
FILE REFERENCE: 10182-018-999  
CURRENT APPLICATION NUMBER: US/10/128,714  
CURRENT FILING DATE: 2002-04-23  
PRIOR APPLICATION NUMBER: US 60/285,697  
PRIOR FILING DATE: 2001-04-23  
PRIOR APPLICATION NUMBER: US 60/287,066  
PRIOR FILING DATE: 2001-04-27  
PRIOR APPLICATION NUMBER: US 60/295,890  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: US 60/303,899  
PRIOR FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: US 60/316,362  
PRIOR FILING DATE: 2001-08-31  
NUMBER OF SEQ ID NOS: 8603  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3305  
LENGTH: 1000  
TYPE: PRT  
ORGANISM: *Aspergillus fumigatus*  
US-10-128-714-3305

Query Match	9.3%	Score 114.5;	DB 14;	Length 1000;
Best Local Similarity	23.3%;	Pred. NO. 4.1;		
Matches	49;	Conservative 32;	Mismatches 98;	Indels 31; Gaps 8;
QY	37	DSTGSDSLYPRGQIFKRPHTVAPPPYPPVTYSQPDLLRTPRSPQPLGGSHRTPS	96	
DB	293	ESAPSEVAEPSPASAEQP-----PPADEPAEPPAAEESAPAVEEPP-APQDETVP	345	
QY	97	SRRSDGANSVANSYENESPA-CEDADEDDYHNGYLVLPDSTPPA-TSTAATSPAPALS	154	
DB	346	QKAPAEQSTADVTPEPAPVEESAKEP-----VAEPTPGDKSSPVEEAAYEE	396	
QY	155	TPGIRDSAPSMES--IDYVNVNPPESGESAEALDGSRYVNVQSE-----LHPGAAK	204	
DB	397	APPAEESAASBESTPVEEAAPTEESAABEESAPAEATEISIVGPEAAADABEGUREESAH	456	
QY	205	TEPAALSSQEAEE---VEEAGEAPDYENLQE	231	

Db 457 EBPAPVEDAPAEPPVEEPAAEPSVED 486

RESULT 14

US-10-437-963-131253

Sequence 131253, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 131253

LENGTH: 762

TYPE: PRT

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT\_MRT4530\_33336C.1 pep

US-10-437-963-131253

	Query Match	9.3%; Score 114; DB 16; Length 762;
	Best Local Similarity	27.1%; Pred. No. 3.2;
Matches	Conservative	21; Mismatches 65; Indels 54; Gaps 10;
QY	59 PWPAYAPVTSYP-LSQPDLPIPRGPQLGGSHRTPSSRRSDGANSVASYNEE	114     :   :        :   :        :   :        :   :
D8	42 PPPPPPLPEFSPAKIHRKSMPLP-PQTGPSVLHDSIREDD-----E	89     :   :        :   :        :   :        :   :
QY	115 PACSADABEDDY-----HNPGYLVLDPDSTPATSTA-----APSALSLTCIR	159     :   :     :   :     :   :
D8	90 EAEIEEDEDEHLDDRRLRHRPVPPLLVSPPAGTPTVTPOQPPPPPDSKPGRVD	149     :   :     :   :     :   :
QY	160 --DSAAME--SI---DDYNVPESGESAEASLDGSREYSNVNSOELHPGAAKTBPA	209     :   :     :   :     :   :
D8	150 TWDIFFMDEGMASIAPDDDEIIQEPE-----DEKYVPASP RPPLPSPTPVAA	198     :   :     :   :     :   :
QY	210 LSSQAEEVEEEE	221     :
D8	199 PAPO--EFEEEE	208     :

```

RESULT 15
US-10-282-122A-69392
; Sequence 69392, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Eases
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282, 122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078

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; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 69392  
; LENGTH: 735  
; TYPE: PRT  
; ORGANISM: Pseudomonas syringae  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (445)..(445)  
; OTHER INFORMATION: X=any amino acid  
US-10-282-122A-69392

Query Match 9.3%; Score 113.5; DB 15; Length 735;  
Best Local Similarity 26.7%; Pred. No. 3.4;  
Matches 55; Conservative 22; Mismatches 80; Indels 49; Gaps 11;  
QY 53 RPHTVAPWPYPVTSYPLSQPDLPIPRGPQP-----LGGSHRTPSSRRDSG---- 103  
Db 413 QPAPAPAPAAVQPEAKAEP--APQIKPEP-FPQYXQACAGRRNSAVERVESAGRKA 469  
QY 104 -----ANSVASYENE-----EPACEDADEDDYHNPGLVVLDPSTPATSTA 146  
Db 470 CRARARARARASCAVEAEQPEPVAEPVLETVSEQPD-----LTPMPAPAPASP 520  
QY 147 APSAP-ALSTGIRSAFS---MESIDD--YNNVPESGESASLDGREGYNNVNSQELHP 200  
Db 521 VPDAPQAPSPVVEQQVTPAMLEAIPDSAYLSAPMDRDEPPADD---DYVEPDIDIP 577  
QY 201 GAAK--TEPAALSSQEAEBVEEGAP 224  
Db 578 ASYSYLDLAHESVVELEAVEPEAP 603

RESULT 16  
US-11-097-143-9768  
; Sequence 9768, Application US/11097143  
; Publication No. US20050208558A1  
; GENERAL INFORMATION:  
; APPLICANT: Venter, J. Craig  
; APPLICANT: et al.  
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
; TITLE OF INVENTION: ARRAYS FOR DETECTING EXPRESSION OF 10,000 OR MORE  
; TITLE OF INVENTION: DROSOPHILA GENES.  
; FILE REFERENCE: CL000728  
; CURRENT APPLICATION NUMBER: US/11/097,143  
; CURRENT FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: 60/157,832  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: 60/160,191  
; PRIOR FILING DATE: 1999-10-19  
; PRIOR APPLICATION NUMBER: 60/161,932  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/173,383  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: 60/175,693  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/184,831  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/191,637  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 43008  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9768  
; LENGTH: 1186  
; TYPE: PRT  
; ORGANISM: DROSOPHILA  
US-11-097-143-9768

Query Match 9.3%; Score 113.5; DB 20; Length 1186;  
Best Local Similarity 24.8%; Pred. No. 6.1;  
Matches 52; Conservative 24; Mismatches 83; Indels 51; Gaps 8;  
QY 48 GIQFKRPHTVAPWPPAYPPVTSYPLSQPD-----LLPIPRS---POPL 88  
Db 301 GIAHSRD---APW--AKVPVTSTTPAQDPDPNPPELDEFFYDDVDFLTTRVNLVPPPF 355  
QY 89 GGSHTPSSRRDSDGANSVASYENEEPAEDA-----DEDEDDYHNPGLV 135  
Db 356 DHKFYSPQSTNPSINRQSGASGNSQAAIKEALKMLRPFYFNHSGNAQEQLAQAESAIV 415  
QY 136 LPDSTPATSTAAPSAPALSTPCIRDSAF-----SMESIDDDYNNVPESGESA--E 182  
Db 416 SVISKPSTTTTTTPRPTSKTPK-TDPDFDAELIKAGEQESLSDVDDYVFPDARETSRTE 474  
QY 183 ASLDGSGREYNNVNSQELHPGAAKTEPAALSS 212  
Db 475 QTLDPSTTYASTNFORSTRRAELDPDTLTA 504

RESULT 17  
US-10-473-127-634  
; Sequence 634, Application US/10473127  
; Publication No. US20040236091A1  
; GENERAL INFORMATION:  
; APPLICANT: Zycos Inc.  
; TITLE OF INVENTION: TRANSLATIONAL PROFILING  
; FILE REFERENCE: 08191-026WO1  
; CURRENT APPLICATION NUMBER: US/10/473,127  
; CURRENT FILING DATE: 2003-09-26  
; PRIOR APPLICATION NUMBER: 60/279,495  
; PRIOR FILING DATE: 2001-03-28  
; PRIOR APPLICATION NUMBER: 60/292,544  
; PRIOR FILING DATE: 2001-05-21  
; PRIOR APPLICATION NUMBER: 60/310,801  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/326,370  
; PRIOR FILING DATE: 2001-10-01  
; PRIOR APPLICATION NUMBER: 60/336,780  
; PRIOR FILING DATE: 2001-12-04  
; PRIOR APPLICATION NUMBER: 60/358,985  
; PRIOR FILING DATE: 2002-02-20  
; NUMBER OF SEQ ID NOS: 2041  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 634  
; LENGTH: 2414  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-473-127-634

Query Match 9.3%; Score 113.5; DB 16; Length 2414;  
Best Local Similarity 24.2%; Pred. No. 15;  
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;  
QY 27 VHCHRLFGSYDSTSSDSLYPRGIGQKRPHTVAPWPPA--YPPVTSYP-PLSQPDLPIPRS 84

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Db      817  IHCPQLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy      85  PQLGGSHRTFSSRRSDGANSVASYENESPACEDADEDDYHNPGLVLPDSTPAT 144
Db      875  SQAL---HPPPRQTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy      145  TAAPS-----APALSTPGIRDSAFSMESIDDDYVNVPESESASLDGSRREYVNV 194
Db      922  ASVPTPNAPLLPPQPATPLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy      195  SQEL-----HPGAAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db      973  SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
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## RESULT 18

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US-10-473-127-641
; Sequence 641, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 641
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-641
```

```
Query Match          9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy      27  VHCHRLPGSYDSTSSDLSYPRGIQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db      817  IHCPQLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy      85  PQLGGSHRTFSSRRSDGANSVASYENESPACEDADEDDYHNPGLVLPDSTPAT 144
Db      875  SQAL---HPPPRQTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy      145  TAAPS-----APALSTPGIRDSAFSMESIDDDYVNVPESESASLDGSRREYVNV 194
Db      922  ASVPTPNAPLLPPQPATPLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy      195  SQEL-----HPGAAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db      973  SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
```

## RESULT 19

```
US-10-473-127-642
; Sequence 642, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
```

```
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-642
```

```
Query Match          9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy      27  VHCHRLPGSYDSTSSDLSYPRGIQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db      817  IHCPQLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy      85  PQLGGSHRTFSSRRSDGANSVASYENESPACEDADEDDYHNPGLVLPDSTPAT 144
Db      875  SQAL---HPPPRQTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy      145  TAAPS-----APALSTPGIRDSAFSMESIDDDYVNVPESESASLDGSRREYVNV 194
Db      922  ASVPTPNAPLLPPQPATPLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy      195  SQEL-----HPGAAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db      973  SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
```

## RESULT 20

```
US-10-473-127-644
; Sequence 644, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 644
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-10-473-127-644

Query Match	9.3%;	Score 113.5;	DB 16;	Length 2414;
Best Local Similarity	24.2%;	Pred. NO. 15;		
Matches 55;	Conservative 24;	Mismatches 103;	Indels 45;	Gaps 9;
Qy	27	VHCHRLPGSYDSTSDSLYRGIOFKRPHHTVAPPPA-YPPVTSYP-PLSQPDLLLPTR	84	
Db	817	IHCQLPQALHONSPSPVPS--RTPTPHHTPPSIGAQPPATTIPADVPTPPAMKCPQ	874	
Qy	85	POPICGSHRTSSRRDSCGANSVAYENEEFACDADDEDDYNNPGYLVVLPDSTPAT	144	
Db	875	SQALP---HPPPRQTPPTTQLPQOVQPSLPAAPSADQPOQ-----PRSQGSTA	921	
Qy	145	TAAPS-----APALSTPGTRDSAFSMESIDDDYVNPVPSGESAEASLDGSR	194	
Db	922	ASVFTPNAPLLPQPATPLSQPAV-----STEGQVSNPPSTSTEVNSQAI	972	
Qy	195	SQEL-----HPGAKTEPPAALSQGEAEVEEBGAPYENIQEL	232	
Db	973	SOEYMEAKMEVDQPEADTQPEIDISRSKVBDCRMESTETSTERSTEL	1019	

RESULT 21

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US-10-473-127-646
; Sequence 646, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026WO1
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 646
; LENGTH: 2414
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-473-127-646

```

Query Match	9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity	24.2%; Pred. No. 15;
Matches	55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;
QY	27 VHCRLPGSYDSSDLSYRGIOFKEPHTVAPWPPA-YPVVTSYP-PLSQPDLLPTPRS 84
Db	817 IHCQFLQPQALHQNSPSPVDS--RTPTPHTTPSIGAQQQPATTIPAPVTFPPAMPFGPQ 874
QY	85 PQPLGGSHRTPSRSDSGANSVASYENEPEACEDADEDEDHNPGLVVLVLPDSTPAT 144
Db	875 SQAL---HPPPRQTPPTPTTQLPQVQPSLPAAPSADQPQQ-----PRSQQSTA 921
QY	145 TAAPS-----APALSTPGIRDSAFSMESIDDDYVNPVPSGESAEASLDGSRVNV 194
Db	922 ASVPTNAPLLPQPATPLSQPAV-----SIEGQVSNPPTSTSTEVNSQAIAE-KQP 972
QY	195 SQEL-----HPGAAKTEPAALSQSEAEVEEAGDPYENLQEL 232
Db	973 SOEVKMEAKMEVDQPPADTPQDIEDISKVEDCKMESTETESTEL 1019

RESULT 22

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US-10-732-923-18449
; Sequence 18449, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732.923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18449
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-732-923-18449

Query Match          9.3%; Score 113.5; DB 17; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy      27  VHCHRLPGSYDSTSSDSLSYPRGTQFKKPHTVAPWPPA-YPPVTSYP-PLSQPDLLLPTPRS 84
Db      817  IHCPQLPQALHQNSPSPVES--RTPTHTPTPSIGAQPPATTIPAPVTPPPAMPGPQ 874

Qy      85  PQLGGSHRTPSKRRSDSGANSVASVNEERPACEDEDEDDYHNPGLVVLDPSTPATS 144
Db      875  SQAL---HPPPRQTPTPTTLQVQVPSLPAAPSADQPQQ-----PRSQOSTA 921

Qy      145  TAAAPS-----APALSTPGIRDSAFSMESIDDDYVNVYPESGESAEASLDGSRVNV 194
Db      922  ASVPTNPAPLLPQPATPLSQPAV-----SIEGVSNPPPTSTSTEVNSQAIAE-KQP 972

Qy      195  SQEL-----HPGAAKTEPAALSQEAEEVEEEGAPDYNLQEL 232
Db      973  SQGVKMEAKMEVDQPPFADTQPDEDISSEKVEDCKMESTETEERSTEL 1019

```

RESULT 23

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US-10-756-149-5732
; Sequence 5732, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5732
; LENGTH: 2414
; TYPE: prt
; ORGANISM: Homo Sapiens
US-10-756-149-5732

```

					9.3%; Score 113.5; DB 18; Length 2414; Best Local Similarity 24.2%; Pred. No. 15; Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9
QY	27	VHCRLPGSYDSTSSDLSLYPRGIGFQRKPTVAPWPPA-YPPVTSP-PLSQDLLLPISRS	84	:	:
		: : :	:	:	:
Db	817	IHCPQLQPALHQNSPSPVPS--RTPEHHTPPSIGAQQPPATTIPAVPTTPAMPPEGQ	874	:	:
		: : :	:	:	:
QY	85	PQPLGGSHRTPSSRRSDGANSVASVENEEPACEDADEDEDDHYNGYLVLVPDSTPAT	144	:	:
		: : :	:	:	:
Db	875	SQAL---HPPPROTPTPTTQLPQQVQSILPAAPSADOPQQO-----PRSOOSTA	921	:	:
		: : :	:	:	:

